

Recombinant Human Bcl-2-like protein 1(BCL2L1),partial

Catalog No: #AP70077

Package Size: #AP70077-1 20ug #AP70077-2 100ug #AP70077-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Bcl-2-like protein 1(BCL2L1),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-209aaSequence Info:Partial
Other Names	Apoptosis regulator Bcl-X
Accession No.	Q07817
Calculated MW	39.4 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSQSNRELVDFLSYKLSQKGYWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSPAVNGATGH SSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRIVAFF SFGGALCVESVDKEMQVLVSRIAAWMATYLNHLEPWIQENGGWDTFVELYGNNAAESRKGQER
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Potent inhibitor of cell death. Inhibits activation of caspases. Appears to regulate cell death by blocking the voltage-dependent anion channel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial mbrane. Also acts as a regulator of G2 checkpoint and progression to cytokinesis during mitosis.Isoform Bcl-X(L) also regulates presynaptic plasticity, including neurotransmitter release and recovery, number of axonal mitochondria as well as size and number of synaptic vesicle clusters. During synaptic stimulation, increases ATP availability from mitochondria through regulation of mitochondrial mbrane ATP synthase F1F0 activity and regulates endocytic vesicle retrieval in hippocampal neurons through association with DMN1L and stimulation of its GTPase activity in synaptic vesicles.Isoform Bcl-X(S) promotes apoptosis.

References

bcl-x, a bcl-2-related gene that functions as a dominant regulator of apoptotic cell death.Boise L.H., Gonzalez-Garcia M., Postema C.E., Ding L., Lindsten T., Turka L.A., Mao X., Nunez G., Thompson C.B.Cell 74:597-608(1993)Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.